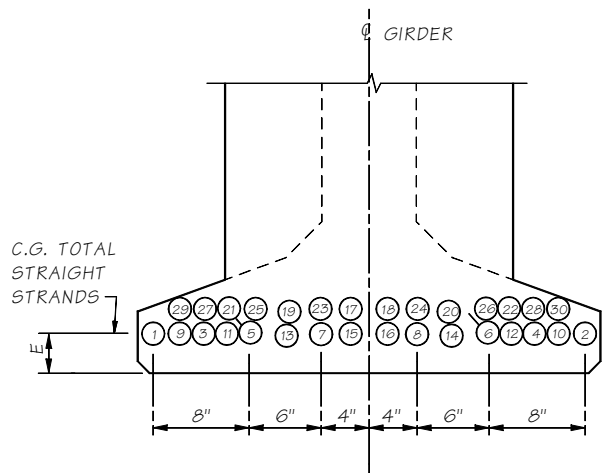
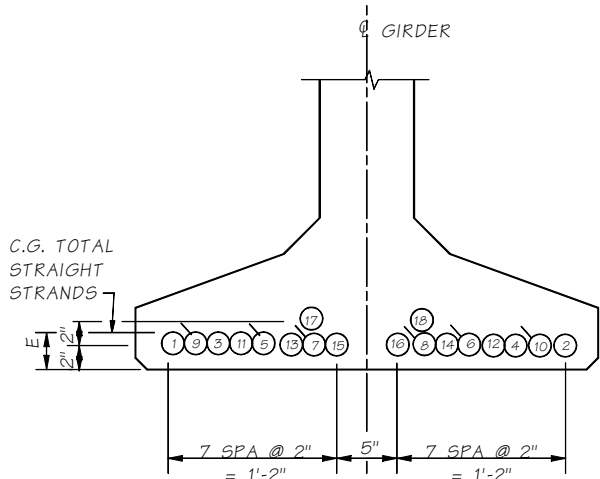


GIRDER PLAN



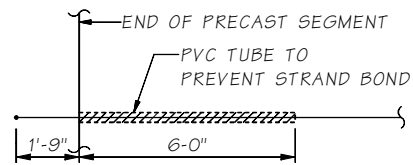
STRAND PATTERN  
PRECAST END SEGMENTS

STRAIGHT STRAND LOCATION SEQUENCE SHALL BE AS SHOWN (1),(2),(3), .... ETC.  
⊙ INDICATES DEBOND STRAND FOR A TOTAL OF 6'-0" FROM END OF GIRDER.

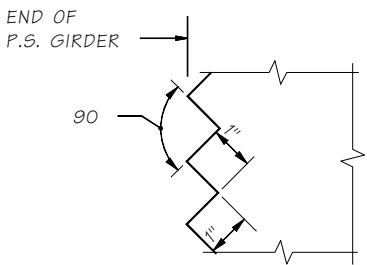


STRAND PATTERN  
PRECAST MID-SEGMENT

STRAIGHT STRAND LOCATION SEQUENCE SHALL BE AS SHOWN (1),(2),(3), .... ETC.  
⊙ INDICATES DEBOND STRAND IF NEEDED FOR A TOTAL OF 6'-0" FROM END OF GIRDER.



STRAND DEBONDING DETAIL



SAWTEETH DETAIL

SAWTEETH ARE FULL WIDTH ~ USE SAWTEETH KEYS, IN AREA OUTSIDE OF PT. DUCTS AS SHOWN IN SECTION B/2

DIMENSION "A" AT E BEARINGS =																																BASED ON GIRDER DEFLECTION = "D" AT TIME OF SLAB POUR (120 DAYS)																	
SPAN	GIRDER	MIN. CONC. COMPR. STRENGTH		END SEGMENT 1										MID-SEGMENT										END SEGMENT 2																									
				END 1 TYPE	END 2 TYPE	L	θ1	θ2	P1	PLAN LENGTH (ALONG GIRDER GRADE)	STRAIGHT		C.G. STRANDS (IN.)	Ld (IN.)	END 1 TYPE	END 2 TYPE	L	θ1	θ2	PLAN LENGTH (ALONG GIRDER GRADE)	STRAIGHT		C.G. STRANDS (IN.)	Ld (IN.)	END 1 TYPE	END 2 TYPE	L	θ1	θ2	P2	PLAN LENGTH (ALONG GIRDER GRADE)	STRAIGHT		C.G. STRANDS (IN.)	Ld (IN.)														
		NO. OF STRANDS	JACKING FORCE (LBS)								NO. OF STRANDS	JACKING FORCE (LBS)									NO. OF STRANDS	JACKING FORCE (LBS)																											
				@ 28 DAYS F'C MPa	@ RELEASE F'CI MPa									E									E												E														

BENDING DIAGRAM

≠ ≠ ≠ DESIGNER TO MODIFY FOR SPECIFIC PROJECT

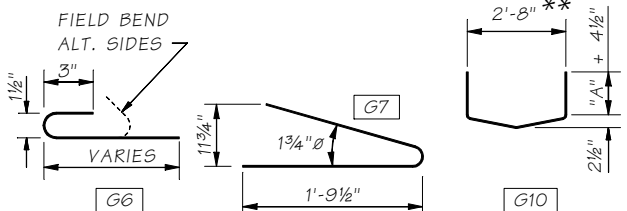
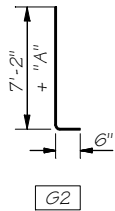
MARK	LOCATION	SIZE
G2		5
G3	GIRDER TOP FLANGE	5 STR.
G4	GIRDER LONGIT. FULL LENGTH	5 STR.
G5	GIRDER LONGIT.	7 STR.
G6	GIRDER END TIES	W12 #
G7	GIRDER BOTTOM FLANGE TIES	3
G9	GIRDER LONGIT. FULL LENGTH	4 STR.
G10	GIRDER TOP FLANGE STIRRUPS	4

ALL DIMENSIONS ARE OUT TO OUT

\* = VARIES FOR SKEWED SPANS

NOTE:  
FOR DIMENSION "A", SEE "GIRDER SCHEDULE"

# #3 OR #4 MAY BE SUBSTITUTED FOR FOR W12, FIELD BENDING IS OPTIONAL.



Bridge Design Engr.	M:\STANDARDS\Girders\PT Wide Flange\W83PTG5.MAN	REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor		10	WASH.			
Designed By		JOB NUMBER				
Checked By						
Detailed By						
Bridge Projects Engr.						
Prelim. Plan By						
Architect/Specialist	DATE	REVISION	BY	APPD		

BRIDGE  
AND  
STRUCTURES  
OFFICE



STANDARD  
PRESTRESSED CONCRETE GIRDERS

W83PTG SPLICED GIRDER  
DETAILS 5 OF 5

BRIDGE  
SHEET  
NO.  
SHEET  
OF  
SHEETS